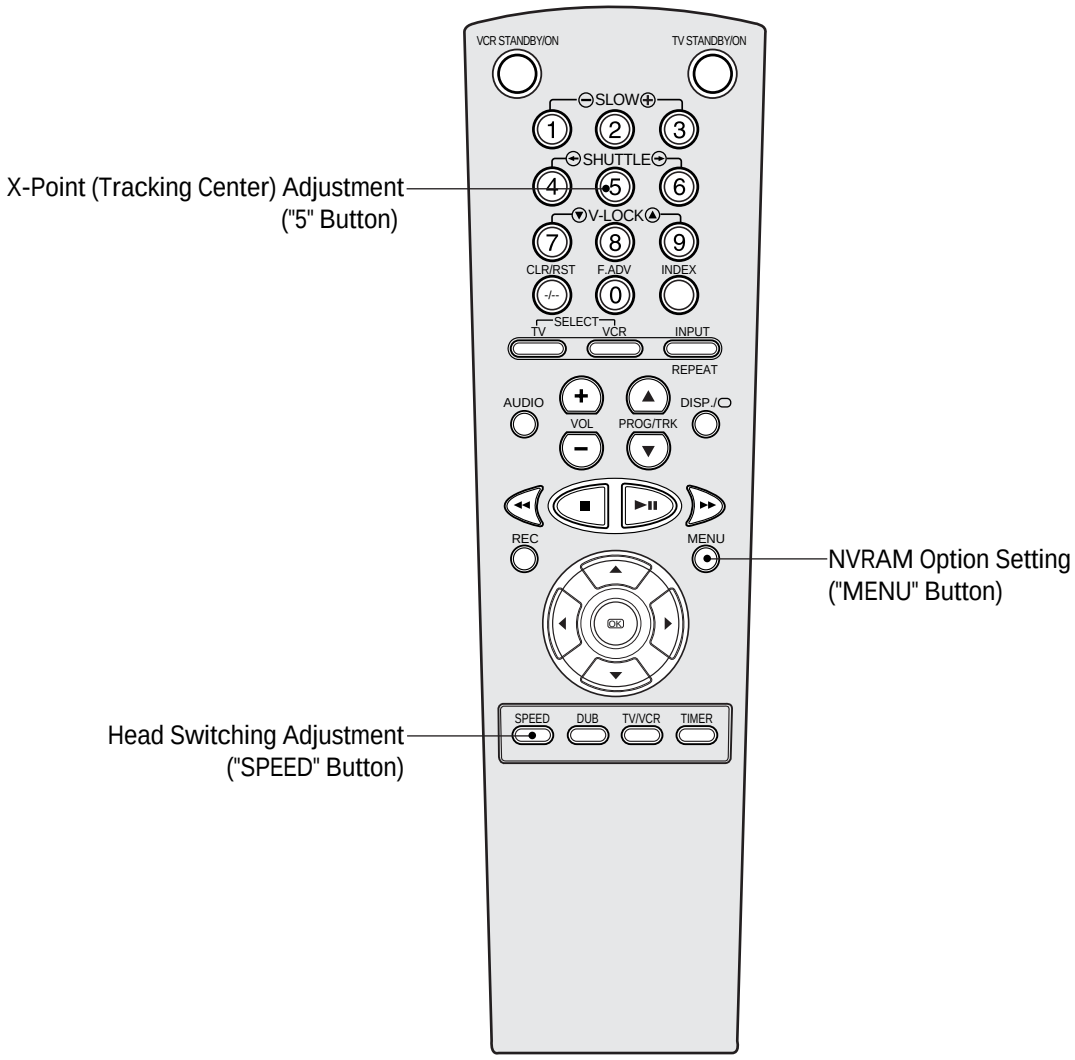
2. Alignment and Adjustment

2-1 Reference

1) X-Point (Tracking center) adjustment, “Head switching adjustment” and “NVRAM option setting” can be adjusted with remote control.
2) When replacing the Micom (IC601) and NVRAM (IC605 ; EEPROM) be sure to adjust the “Head switching adjustment” and “NVRAM option setting”.
3) When replacing the cylinder ass’y, be sure to adjust the “X-Point” and “Head switching adjustment”.
4) Among Samsung VCR remote control used for adjustment as a accessory, only the remote control that has figures buttons (0 ~ 9) is available for all adjustment regardless of chassis.
5) How to adjustment.
   - Press the “TEST” button on Main PCB to set the adjustment mode.
   - If the corresponding adjustment button is pressed, the adjustment is performed automatically.
   - If the adjustment is completed, be sure to turn the power off.

2-1-1 Location of adjustment button of remote control



Remote Control for adjustment is not supplied as a Service Jig.

Fig. 2-1

2-1-2 SW718 location for adjustment mode setting

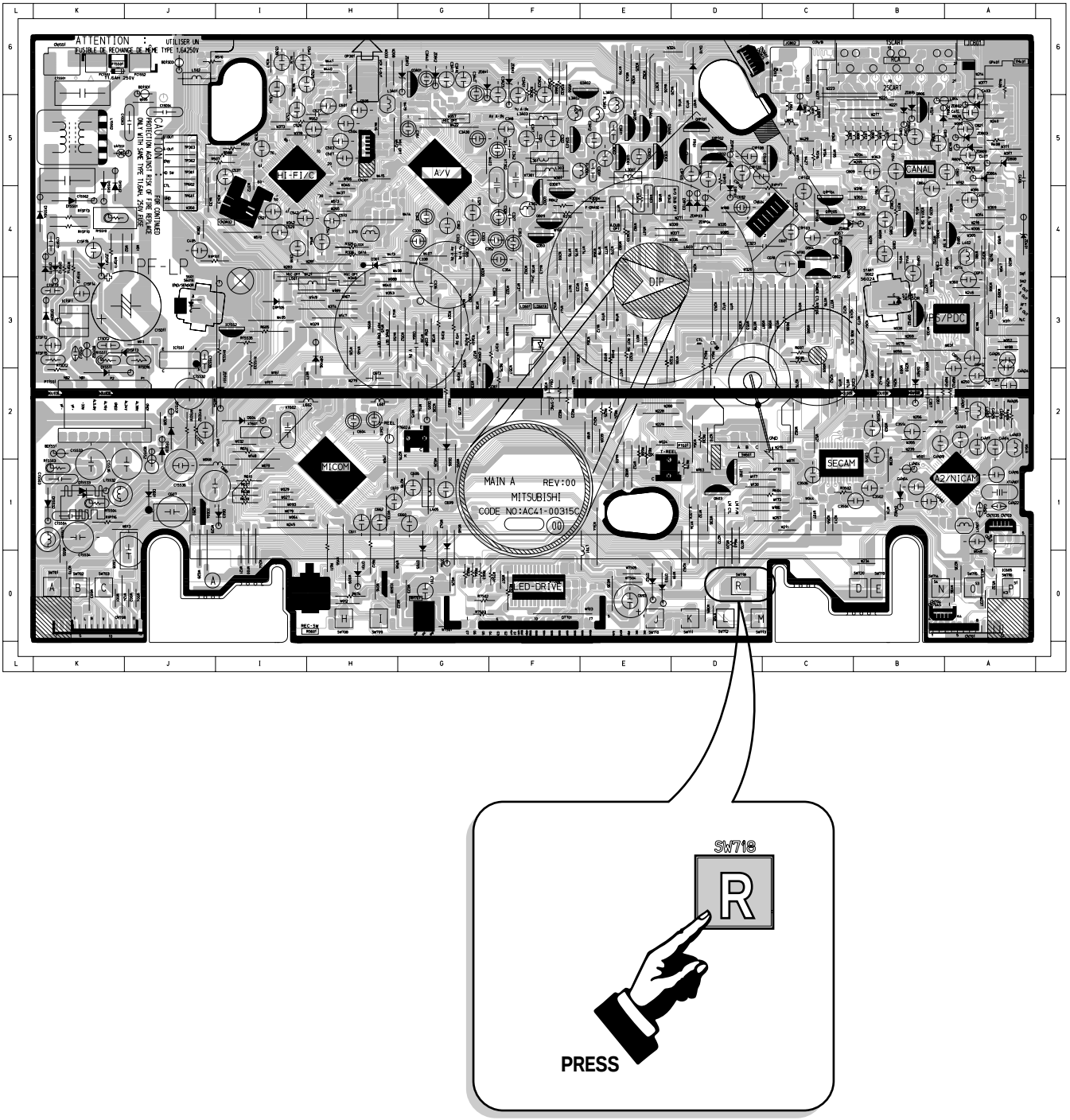


Fig. 2-2 Main PCB (Top View)

2-2 Mechanical Adjustment

Note : Refer to the Mechanical Manual “TS-10A (AC82-00023A)” for the adjustment and confirmation of ass’y full deck.

2-2-1 The number and position of test point

Test point :	TP301 (Envelope)
	TP302 (Audio output)
	TP602 (H’D S/W -Trigger)

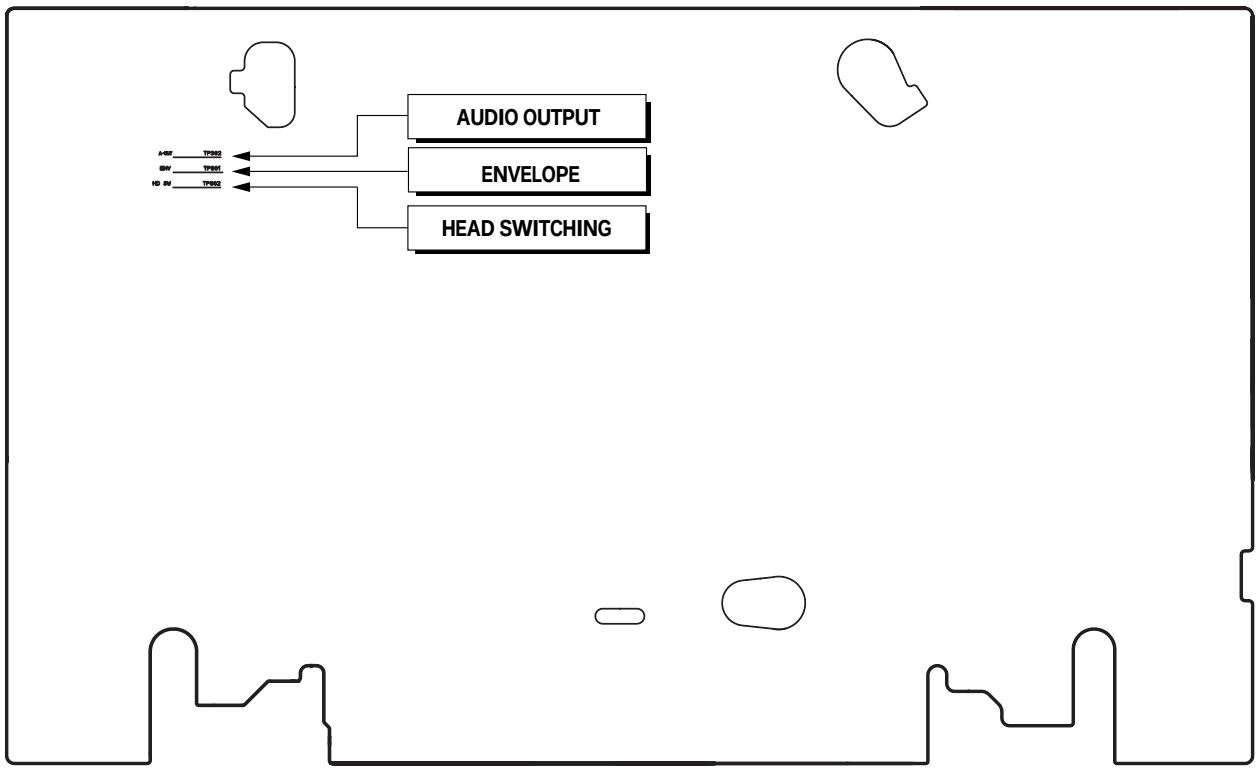


Fig. 2-3 Location of Test point (Main PCB-Top View)

2-2-2 ACE Head Position (X-Point) Adjustment

(See the 2-2-1(d) ACE Head Position (X-Point) Adjustment on page 2-2 of the Mechanical Manual)

1) Playback the alignment tape (Color bar).
2) Press the “TEST” button on Main PCB PCB/Function PCB to set the adjustment mode. (See Fig. 2-2)
3) Press the “5” remote control button then adjustment is operates automatically. (See Fig. 2-1)
4) Connect the CH-1 probe to TP301 (Envelope) the CH-2 probe to TP602 (H’D switching pulse) and then trigger to CH-1.
5) Insert the (-) driver into the X-Point adjustment hole and adjust it so that envelope waveform is maximum.
6) Turn the Power off.

2-3 Head Switching Point Adjustment

1) Playback the alignment tape.
2) Press the “TEST” button on Main PCB to set the adjustment mode.
   (See Fig. 2-2)
3) Press the “SPEED” button of remote control then adjustment is operated automatically. (See Fig. 2-1)
4) Turn the Power off.

2-4 NVRAM Option Setting

1) NVRAM Option is adjusted at production line basically.
2) In case Micom (IC601) and NVRAM (IC605 ; EEPROM) is replaced, be sure to set the corresponding option number of the repaired model. (If the option is not set, the unit is not operated.)

1) Press the “TEST” button on Main PCB to set the adjustment mode.
   (See Fig. 2-2)
2) Press the “MENU” button on the remote control about 5 seconds then option setting display is appeared.
   (See Fig. 2-4)
3) Select the option number (See Table 2-1) of corresponding model with “CURSOR” button on the remote control.
4) If selecting the option number is completed, press the “OK” button of remote control.
   (If “OK” button is pressed, the selected number is changes reversed color. ; See Fig. 2-4)
5) Press the “MENU” button of remote control again to store the option number.
   (“PLEASE WAIT” is displayed for a second as shown Fig. 2-5 and this setting is completed.)
6) Turn the Power off.

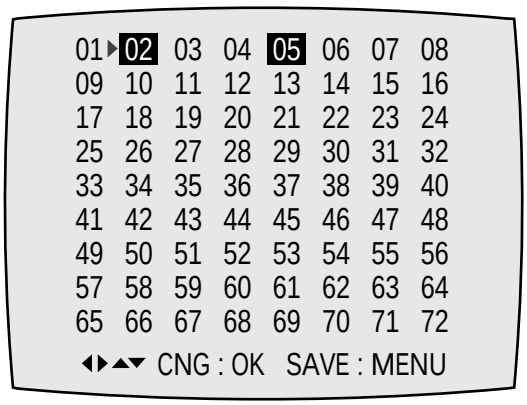


Fig. 2-4

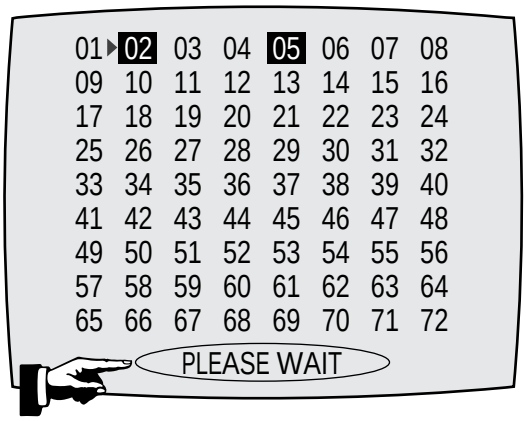


Fig. 2-5

<Table 2-1 NVRAM Option Number>

COUNTRY	MODELS	OPTION NUMBER
Austrslia	SV-665B	1, 6, 7, 9, 10, 12, 15, 20, 28, 32, 33, 34, 38, 42, 47, 50, 51, 52, 55, 56, 57, 60, 61, 64, 65, 72
	SV-660B	6, 7, 9, 10, 12, 20, 28, 32, 33, 34, 38, 42, 47, 50, 51, 52, 55, 56, 57, 60, 61, 64, 65, 72
	SV-460B	9, 10, 12, 20, 28, 32, 33, 34, 38, 42, 47, 50, 51, 52, 55, 56, 57, 60, 61, 64, 65, 72
	SV-265B	1, 10, 12, 15, 20, 28, 32, 33, 34, 38, 42, 47, 49, 50, 55, 56, 57, 60, 61, 64, 65, 71, 72
	SV-260B	10, 12, 20, 28, 33, 34, 38, 42, 47, 49, 50, 55, 56, 57, 60, 61, 64, 65, 71, 72
Newzealand	SV-665X	1, 6, 7, 8, 9, 10, 12, 15, 20, 32, 38, 42, 47, 50, 51, 52, 55, 56, 57, 60, 61, 64, 65, 72
	SV-660X	6, 7, 8, 9, 10, 12, 20, 32, 38, 42, 47, 50, 51, 52, 55, 56, 57, 60, 61, 64, 65, 72
	SV-460X	9, 10, 12, 20, 32, 38, 42, 47, 50, 51, 52, 55, 56, 57, 60, 61, 64, 65, 72
	SV-260X	10, 12, 20, 38, 42, 47, 49, 50, 55, 56, 57, 60, 61, 64, 65, 71, 72
Iran	SV-3000	6, 7, 8, 9, 10, 12, 15, 20, 22, 24, 29, 32, 34, 36, 38, 42, 47, 50, 51, 56, 57, 60, 61, 64, 65
	SV-910	9, 10, 12, 15, 20, 22, 29, 32, 34, 36, 38, 42, 47, 50, 51, 52, 56, 57, 60, 61, 64, 65
	SV-900	9, 10, 12, 15, 20, 22, 29, 32, 34, 36, 38, 42, 47, 50, 51, 52, 56, 57, 60, 61, 64, 65
	SV-810	10, 12, 15, 20, 22, 32, 34, 36, 38, 42, 47, 50, 51, 52, 56, 57, 60, 61, 64, 65, 71
	SV-800	10, 12, 15, 20, 22, 32, 34, 36, 38, 42, 47, 50, 51, 52, 56, 57, 60, 61, 64, 65, 71
	SV-715	10, 12, 20, 22, 34, 36, 37, 40, 47, 50, 51, 52, 56, 57, 60, 61, 64, 65, 68, 71
	SV-710	10, 12, 20, 22, 34, 36, 37, 40, 47, 50, 51, 52, 56, 57, 60, 61, 64, 65, 68, 71
	SV-700	10, 12, 20, 22, 34, 36, 37, 40, 47, 50, 51, 52, 56, 57, 60, 61, 64, 65, 68, 71
UAE	SV-660GS	6, 7, 8, 9, 10, 12, 15, 20, 22, 24, 29, 32, 34, 36, 38, 42, 47, 50, 51, 55, 57, 60, 61, 64, 65
	SV-465GS	9, 10, 12, 15, 20, 22, 32, 34, 36, 38, 42, 47, 50, 51, 52, 55, 57, 60, 61, 64, 65
	SV-264GS	10, 12, 15, 20, 22, 34, 36, 38, 42, 47, 50, 51, 52, 55, 57, 60, 61, 64, 65, 71
	SV-160GS	10, 12, 20, 22, 34, 36, 37, 40, 47, 49, 50, 51, 52, 55, 57, 60, 61, 64, 65, 68, 71
Lebanon	SV-660GS	6, 7, 8, 9, 10, 12, 15, 20, 22, 24, 29, 32, 34, 36, 38, 42, 47, 50, 51, 55, 57, 60, 61, 64, 65
	SV-465GS	9, 10, 12, 15, 20, 22, 32, 34, 36, 38, 42, 47, 50, 51, 52, 55, 57, 60, 61, 64, 65
	SV-264GS	10, 12, 15, 20, 22, 34, 36, 38, 42, 47, 50, 51, 52, 55, 57, 60, 61, 64, 65, 71
	SV160GS	10, 12, 20, 22, 34, 36, 37, 40, 47, 49, 50, 51, 52, 55, 57, 60, 61, 64, 65, 68, 71
Saudi arabia	SV-660GS	6, 7, 8, 9, 10, 12, 15, 20, 22, 24, 29, 32, 34, 36, 38, 42, 47, 50, 51, 55, 57, 60, 61, 64, 65
	SV-465GS	9, 10, 12, 15, 20, 22, 32, 34, 36, 38, 42, 47, 50, 51, 52, 55, 57, 60, 61, 64, 65
	SV-264GS	10, 12, 15, 20, 22, 34, 36, 38, 42, 47, 50, 51, 52, 55, 57, 60, 61, 64, 65, 71
	SV-160G	10, 12, 20, 22, 34, 36, 37, 40, 47, 49, 50, 51, 52, 55, 57, 60, 61, 64, 65, 68, 71
	SV-160GS	10, 12, 20, 22, 34, 36, 37, 40, 47, 49, 50, 51, 52, 55, 57, 60, 61, 64, 65, 68, 71
Egypt	SV-660GS	6, 7, 8, 9, 10, 12, 15, 20, 22, 24, 29, 32, 34, 36, 38, 42, 47, 50, 51, 55, 57, 60, 61, 64, 65
	SV-465GS	9, 10, 12, 15, 20, 22, 32, 34, 36, 38, 42, 47, 50, 51, 52, 55, 57, 60, 61, 64, 65
	SV-264GS	10, 12, 15, 20, 22, 34, 36, 38, 42, 47, 50, 51, 52, 55, 57, 60, 61, 64, 65, 71
	SV-160GS	10, 12, 20, 22, 34, 36, 37, 40, 47, 49, 50, 51, 52, 55, 57, 60, 61, 64, 65, 68, 71

COUNTRY	MODELS	OPTION NUMBER
Reunion	SV-L620K	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 20, 21, 24, 29, 32, 33, 34, 36, 38, 42, 47, 50, 51, 55, 56, 60, 61, 64, 65
Tunis	SV-L80K	9, 10, 11, 12, 13, 14, 15, 20, 21, 32, 33, 34, 36, 38, 42, 47, 50, 51, 52, 55, 56, 60, 61, 64, 65
Algeciras	SV-L30K	11, 12, 13, 14, 15, 20, 21, 33, 34, 36, 38, 42, 47, 50, 51, 52, 55, 56, 60, 61, 64, 65
Morocco	SV-L10K	12, 20, 21, 33, 34, 36, 37, 40, 47, 50, 51, 52, 55, 56, 57, 60, 61, 64, 65, 68
Kenya	SV-L625K	6, 7, 8, 9, 10, 12, 15, 20, 21, 24, 29, 32, 33, 34, 36, 38, 42, 47, 50, 51, 55, 56, 57, 60, 61, 64, 65
	SV-L85K	9, 10, 12, 15, 20, 21, 32, 33, 34, 36, 38, 42, 47, 50, 51, 52, 55, 56, 57, 60, 61, 64, 65
Nigeria	SV-L35K	12, 15, 20, 21, 33, 34, 36, 38, 42, 47, 50, 51, 52, 55, 56, 57, 60, 61, 64, 65
Algeria	SV-L12K	12, 20, 21, 33, 34, 36, 37, 40, 47, 50, 51, 52, 55, 56, 57, 60, 61, 64, 65, 68
	SV-L23KS	12, 20, 21, 33, 34, 36, 37, 40, 47, 50, 51, 52, 55, 56, 57, 60, 61, 64, 65, 68
LIBYAN ARAB	SV-5L	10, 12, 20, 33, 34, 36, 37, 40, 47, 49, 50, 51, 52, 55, 56, 57, 60, 61, 64, 65, 68, 71
Sauth Africa	SV-667I	6, 7, 8, 9, 10, 12, 15, 20, 24, 25, 27, 29, 32, 35, 38, 41, 42, 47, 50, 51, 55, 56, 57, 60, 61, 64, 65
	SV-466I	9, 10, 12, 15, 20, 25, 27, 32, 35, 38, 41, 42, 47, 50, 51, 52, 55, 56, 57, 60, 61, 64, 65
	SV-266I	10, 12, 20, 25, 27, 35, 38, 41, 42, 47, 50, 51, 52, 55, 56, 57, 60, 61, 64, 65, 71
	SV-262I	10, 12, 20, 25, 27, 35, 38, 41, 42, 47, 50, 51, 52, 55, 56, 57, 60, 61, 64, 65, 71